

P22042.A08



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Atsushi MIYAWAKI et al.

Group Art Unit : 1645

Appl. No. : 10/086,738

Examiner : Not Known

Filed : March 4, 2002

For : A FLUORESCENT PROTEIN

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SECOND SUPPLEMENTAL PRELIMINARY AMENDMENT

Assistant Commissioner of Patents  
Washington, D.C. 20231

Sir:

Supplemental to the Preliminary Amendments filed with the application and on May 28, 2002, entry of the following amendment is respectfully requested.

IN THE CLAIMS

Please substitute a clean copy of amended claim 21 as follows (*a marked-up copy of the changes to the originally filed claim is included in the Appendix attached to the present amendment*):

21. (Amended) A kit for measuring calcium ions which comprises at least one or more selected from a fluorescent protein having the following amino acid sequences (1) to (3) in order in the direction from the N-terminus to the C-terminus, wherein a fused fluorescent protein obtained by fusion of the fluorescent protein with a calcium binding protein and its target peptide can emit fluorescence which is dependent on  $\text{Ca}^{2+}$  ion level;

(1) an amino acid sequence from the  $n^{\text{th}}$  amino acid from the N-terminus to the C-terminus of a fluorescent protein selected from the group consisting of a green fluorescent